ELSEVIER

1 April 2002

Optics Communications 204 (2002) 425–430

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Author index to volume 204

Aka, G., see Lupei, V. 204 (2002) 399
Arimondo, E., see Cerboneschi, E. 204 (2002) 211
Arusi-Parpar, T., see Heflinger, D. 204 (2002) 327
Avanesov, A.G., see Rodnyi, P.A. 204 (2002) 237

Baltazar, R., C. Solano, G. Martínez-Ponce and A.A. Camacho P, Optical heterodyne profilometer to scan irregularities in reflective objects 204 (2002) 33
Belsky, A.M. and M.A. Stepanov, Internal conical refraction of light beams in biaxial gyrotropic crystals 204 (2002) 1
Beltrán-Pérez, G., E.A. Kuzin, J. Camas-Anzueto, R. López, V.V. Spirin and A. Marquez-Lucero, Fiber bend losses produced by soft and swellable materials for hydrocarbon detection 204 (2002) 145
Benet, S., see Pluciński, K.J. 204 (2002) 355
Bergmann, K., see Yatsenko, L.P. 204 (2002) 413
Bhattacherjee, A., Controlled manipulation of population oscillations and quantum statistics of a Bose–Einstein condensate confined in an optical lattice 204 (2002) 203
Bortman-Arbiv, D., A.D. Wilson-Gordon and H. Friedmann, Parametric amplification by spatial soliton induced transverse amplitude profile cloning 204 (2002) 371
Bourderionnet, J., A. Brignon, J.-P. Huignard and R. Frey, Influence of aberrations on fundamental mode of high power rod solid-state lasers 204 (2002) 299
Breteau, J.-M., see Gusev, V. 204 (2002) 229
Brignon, A., see Bourderionnet, J. 204 (2002) 299

Cai, Y. and Q. Lin, Spectral shift of partially coherent twisted anisotropic Gaussian Schell-model beams in free space 204 (2002) 17
Camacho P, A.A., see Baltazar, R. 204 (2002) 33
Camas-Anzueto, J., see Beltrán-Pérez, G. 204 (2002) 145
Cao, M., Q. Hu, Z. Wan and F. Luo, A novel routing optical matrix switching method 204 (2002) 163
Cao, N., Y.K. Ho, Q. Kong, P.X. Wang, X.Q. Yuan, Y. Nishida, N. Yugami and H. Ito, Accurate description of Gaussian laser beams and electron dynamics 204 (2002) 7
Casar, I., see García, E.A. 204 (2002) 363
Cerboneschi, E., F. Renzoni and E. Arimondo, Relaxation processes in slow light: the role of the atomic momentum 204 (2002) 211
Chen, L., see Fan, W. 204 (2002) 157
Chen, B., see Fan, W. 204 (2002) 157
Chen, Y., see Huang, M. 204 (2002) 333
Chen, X., see Huang, M. 204 (2002) 333

PII: S0030-4018(02)01340-8

Cho, K., see Jeong, H. 204 (2002) 45
Chu, P.L., see Liu, H.Y. 204 (2002) 151
Courrol, L.C., see Wetter, N.U. 204 (2002) 311

Dattoli, G. and P.L. Ottaviani, Semi-analytical models of free electron laser saturation 204 (2002) 283
de Matos, P.S.F., see Wetter, N.U. 204 (2002) 311
Diettrich, J.C., I.T. McKinnie, D.M. Warrington and V.V. Ter-Mikirtychev, Tunable, single axial mode LiF:F_2^- laser 204 (2002) 317
Dolinski, M., see Kerbage, C. 204 (2002) 179
Dong, X., see Zhao, C.-L. 204 (2002) 323
Dorenbos, P., see Rodnyi, P.A. 204 (2002) 237

Eggleton, B.J., see Kerbage, C. 204 (2002) 179
Engels, P., W. Ertmer and K. Sengstock, Magnetic guiding of a slow metastable Ne^* beam 204 (2002) 185
Ertmer, W., see Engels, P. 204 (2002) 185

Fan, W., B. Chen, X. Li, L. Chen and Z. Lin, Stress-induced single polarization DFB fiber lasers 204 (2002) 157
Fei, W., see Xianglong, Z. 204 (2002) 407
Fercher, A.F., C.K. Hitzenberger, M. Sticker, R. Zawadzki, B. Karamata and T. Lasser, Dispersion compensation for optical coherence tomography depth-scan signals by a numerical technique 204 (2002) 67
Frey, R., see Menez, L. 204 (2002) 267
Frey, R., see Bourderionnet, J. 204 (2002) 299
Friberg, A.T., see Pääkkönen, P. 204 (2002) 53
Friedmann, H., see Bortman-Arbiv, D. 204 (2002) 371
Fu, X., see Yu, S. 204 (2002) 59

García, E.A., I. Casar and L.F. Magaña, On the optimization of the diffraction efficiency by angular selectivity for BSO under strong modulations and applied electric fields 204 (2002) 363
Genty, G., T. Niemi and H. Ludvigsen, New method to improve the accuracy of group delay measurements using the phase-shift technique 204 (2002) 119
Gómez-Pedrero, J.A., see Villa, J. 204 (2002) 75
Granieri, S., see Zalvidea, D. 204 (2002) 99
Gruhn, W., see Pluciński, K.J. 204 (2002) 355
Grygiel, K., Synchronization of two coupled second-harmonic generation systems 204 (2002) 391
Guiyun, K., see Zhao, C.-L. 204 (2002) 323
Guo, H., see Yu, S. 204 (2002) 59
Gusev, V., P. Picart, D. Mounier and J.-M. Breteau, On the possibility of ultrashort shear acoustic pulse excitation due to the laser-induced electrostrictive effect 204 (2002) 229

Hai, M., see Xingsheng, X. 204 (2002) 137
Harrison, R.G., see Kovalev, V.I. 204 (2002) 349
Heflinger, D., T. Arusi-Parpar, Y. Ron and R. Lavi, Application of a unique scheme for remote detection of explosives 204 (2002) 327
Hirakawa, Y., see Losev, L.L. 204 (2002) 379
Hitzenberger, C.K., see Fercher, A.F. 204 (2002) 67

Hölsä, J., see Peijzel, P.S. 204 (2002) 195
Ho, Y.K., see Cao, N. 204 (2002) 7
Hu, X.-m. and Z.-z. Xu, Two color control of spontaneous emission from a single-channel system 204 (2002) 253
Hu, W., see Yu, S. 204 (2002) 59
Hu, Q., see Cao, M. 204 (2002) 163
Huang, Y., see Huang, M. 204 (2002) 333
Huang, M., Y. Chen, X. Chen, Y. Huang and Z. Luo, Study on CW fundamental and self-frequency doubling laser of Nd^{3+}:$GdAl_3(BO_3)_4$ crystal 204 (2002) 333
Huignard, J.-P., see Bourderionnet, J. 204 (2002) 299

Imasaka, T., see Losev, L.L. 204 (2002) 379
Imiołek, W., see Pluciński, K.J. 204 (2002) 355
Ito, H., see Cao, N. 204 (2002) 7

Jeong, H., J.-H. Kim and K. Cho, Complete mapping of complex reflection coefficient of a surface using a scanning homodyne multiport interferometer 204 (2002) 45
Jia, D., X.-j. Wang, E. van der Kolk and W.M. Yen, Site dependent thermoluminescence of long persistent phosphorescence of $BaAl_2O_4$:Ce^{3+} 204 (2002) 247

Kaddouri, H., see Pluciński, K.J. 204 (2002) 355
Kapoustine, V.V. and S.O. Yarovikov, Power coupling between fiber and multimode slab composite waveguide 204 (2002) 171
Karamata, B., see Fercher, A.F. 204 (2002) 67
Kerbage, C., R.S. Windeler, B.J. Eggleton, P. Mach, M. Dolinski and J.A. Rogers, Tunable devices based on dynamic positioning of micro-fluids in micro-structured optical fiber 204 (2002) 179
Kim, J.-H., see Jeong, H. 204 (2002) 45
Kityk, I.V., see Pluciński, K.J. 204 (2002) 355
Kong, Q., see Cao, N. 204 (2002) 7
Kovalev, V.I. and R.G. Harrison, The dynamics of a SBS fibre laser: the nature of periodic spiking at harmonics of the fundamental oscillation frequency 204 (2002) 349
Kuzin, E.A., see Beltrán-Pérez, G. 204 (2002) 145

Lakhtakia, A., see Mackay, T.G. 204 (2002) 219
Lamminmäki, R.-J., see Peijzel, P.S. 204 (2002) 195
Lasser, T., see Fercher, A.F. 204 (2002) 67
Lavi, R., see Heflinger, D. 204 (2002) 327
Li, X., see Fan, W. 204 (2002) 157
Li, Z., see Zhao, C.-L. 204 (2002) 323
Li, E.B., see Wang, K.F. 204 (2002) 83
Lin, Z., see Fan, W. 204 (2002) 157
Lin, Q., see Cai, Y. 204 (2002) 17
Liu, H.Y., G.D. Peng and P.L. Chu, Thermal stability of gratings in PMMA and CYTOP polymer fibers 204 (2002) 151
Longhi, S., Self-pulsing instability in the cascaded optical parametric oscillator 204 (2002) 339
López, R., see Beltrán-Pérez, G. 204 (2002) 145
Losev, L.L., Y. Yoshimura, Y. Hirakawa and T. Imasaka, The influence of beam diffraction on multifrequency parametric Raman generation 204 (2002) 379

Lü, B. and X. Wang, Kurtosis parameter of Bessel-modulated Gaussian beams propagating through ABCD optical systems 204 (2002) 91
Ludvigsen, H., see Genty, G. 204 (2002) 119
Luo, F., see Cao, M. 204 (2002) 163
Luo, Z., see Huang, M. 204 (2002) 333
Lupei, V., G. Aka and D. Vivien, Quasi-three-level 946 nm CW laser emission of Nd:YAG under direct pumping at 885 nm into the emitting level 204 (2002) 399

Ma, L., see Wang, Y. 204 (2002) 107
Mach, P., see Kerbage, C. 204 (2002) 179
Mackay, T.G., A. Lakhtakia and W.S. Weiglhofer, Homogenisation of isotropic, cubically nonlinear, composite mediums by the strong–permittivity–fluctuation theory: third-order considerations 204 (2002) 219
Magaña, L.F., see García, E.A. 204 (2002) 363
Marquez-Lucero, A., see Beltrán-Pérez, G. 204 (2002) 145
Martínez-Ponce, G., see Baltazar, R. 204 (2002) 33
Maruani, A., see Menez, L. 204 (2002) 267
M^{c}Kinnie, I.T., see Diettrich, J.C. 204 (2002) 317
Meijerink, A., see Peijzel, P.S. 204 (2002) 195
Menez, L., I. Zaquine, A. Maruani and R. Frey, Intracavity refractive index bragg gratings in absorbing and amplifying media 204 (2002) 267
Meng, H., see Zhao, C.-L. 204 (2002) 323
Mikhrin, S.B., see Rodnyi, P.A. 204 (2002) 237
Morato, S.P., see Wetter, N.U. 204 (2002) 311
Mounier, D., see Gusev, V. 204 (2002) 229

Nampoori, V.P.N., see Unnikrishnan, K.P. 204 (2002) 385
Niemi, T., see Genty, G. 204 (2002) 119
Nishida, Y., see Cao, N. 204 (2002) 7

Oh, K., see Yu, J.W. 204 (2002) 111
Ottaviani, P.L., see Dattoli, G. 204 (2002) 283

Pääkkönen, P., J. Turunen, P. Vahimaa, A.T. Friberg and F. Wyrowski, Partially coherent Gaussian pulses 204 (2002) 53
Peijzel, P.S., R.T. Wegh, A. Meijerink, J. Hölsä and R.-J. Lamminmäki, High energy levels and high-energetic emissions of the trivalent holmium ion in $LiYF_4$ and YF_3 204 (2002) 195
Peng, G.D., see Liu, H.Y. 204 (2002) 151
Picart, P., see Gusev, V. 204 (2002) 229
Pluciński, K.J., W. Gruhn, I.V. Kityk, W. Imiołek, H. Kaddouri and S. Benet, Photoinduced second harmonic generation in Bi_2Se_3–$CaBr_2$–$PbCl_2$ optical fibers 204 (2002) 355

Qian, G., see Yang, Y. 204 (2002) 277
Qijin, Z., see Xingsheng, X. 204 (2002) 137
Quiroga, J.A., see Villa, J. 204 (2002) 75

Ranieri, I.M., see Wetter, N.U. 204 (2002) 311
Renzoni, F., see Cerboneschi, E. 204 (2002) 211

Rickes, T., see Yatsenko, L.P. 204 (2002) 413
Rodnyi, P.A., S.B. Mikhrin, P. Dorenbos, E. van der Kolk, C.W.E. van Eijk, A.P. Vink and A.G. Avanesov, The observation of photon cascade emission in Pr^{3+}-doped compounds under X-ray excitation 204 (2002) 237
Rogers, J.A., see Kerbage, C. 204 (2002) 179
Ron, Y., see Heflinger, D. 204 (2002) 327

Sengstock, K., see Engels, P. 204 (2002) 185
Shi, S., see Wang, Y. 204 (2002) 107
Shirai, T. and E. Wolf, Spatial coherence properties of the far field of a class of partially coherent beams which have the same directionality as a fully coherent laser beam 204 (2002) 25
Shore, B.W., see Yatsenko, L.P. 204 (2002) 413
Sicre, E.E., see Zalvidea, D. 204 (2002) 99
Solano, C., see Baltazar, R. 204 (2002) 33
Spirin, V.V., see Beltrán-Pérez, G. 204 (2002) 145
Stepanov, M.A., see Belsky, A.M. 204 (2002) 1
Sticker, M., see Fercher, A.F. 204 (2002) 67

Ter-Mikirtychev, V.V., see Diettrich, J.C. 204 (2002) 317
Thomas, J., see Unnikrishnan, K.P. 204 (2002) 385
Tieu, A.K. see Wang, K.F. 204 (2002) 83
Turunen, J., see Pääkkönen, P. 204 (2002) 53

Unnikrishnan, K.P., J. Thomas, V.P.N. Nampoori and C.P.G. Vallabhan, Third order nonlinear optical studies in europium naphthalocyanine using degenerate four wave mixing and *Z*-scan 204 (2002) 385

Vahimaa, P., see Pääkkönen, P. 204 (2002) 53
Vallabhan, C.P.G., see Unnikrishnan, K.P. 204 (2002) 385
van der Kolk, E., see Jia, D. 204 (2002) 247
van der Kolk, E., see Rodnyi, P.A. 204 (2002) 237
van Eijk, C.W.E., see Rodnyi, P.A. 204 (2002) 237
Villa, J., J.A. Gómez-Pedrero and J.A. Quiroga, Synchronous detection technique for temporal fringe pattern analysis 204 (2002) 75
Vink, A.P., see Rodnyi, P.A. 204 (2002) 237
Vitanov, N.V., see Yatsenko, L.P. 204 (2002) 413
Vivien, D., see Lupei, V. 204 (2002) 399

Wan, Z., see Cao, M. 204 (2002) 163
Wang, M., see Yang, Y. 204 (2002) 277
Wang, X.-j., see Jia, D. 204 (2002) 247
Wang, Y., L. Ma and S. Shi, An optical method for production of Haar wavelet 204 (2002) 107
Wang, X., see Lü, B. 204 (2002) 91
Wang, Z., see Yang, Y. 204 (2002) 277
Wang, P.X., see Cao, N. 204 (2002) 7
Wang, K.F. and A.K. Tieu, E.B. Li, Influence of in-plane displacement and strain components on twist fringe distributions in measurement of pure twist fringes 204 (2002) 83
Warrington, D.M., see Diettrich, J.C. 204 (2002) 317

Wegh, R.T., see Peijzel, P.S. 204 (2002) 195
Weiglhofer, W.S., see Mackay, T.G. 204 (2002) 219
Wetter, N.U., P.S.F. de Matos, I.M. Ranieri, L.C. Courrol and S.P. Morato, Single frequency, continuously tunable, diode-pumped Nd:$LiY_{0.5}Gd_{0.5}F_4$ microlaser 204 (2002) 311
Wilson-Gordon, A.D., see Bortman-Arbiv, D. 204 (2002) 371
Windeler, R.S., see Kerbage, C. 204 (2002) 179
Wolf, E., see Shirai, T. 204 (2002) 25
Wyrowski, F., see Pääkkönen, P. 204 (2002) 53

Xianfeng, C., see Xianglong, Z. 204 (2002) 407
Xianglong, Z., C. Xianfeng, W. Fei, C. Yuping, X. Yuxing and C. Yingli, Second-harmonic generation with broadened flattop bandwidth in aperiodic domain-inverted gratings 204 (2002) 407
Xiaoping, Z. and T. Zhihong, Analysis of transmission characteristics of doubly clad fibers with an inner cladding made of uniaxial crystal materials 204 (2002) 127
Xingsheng, X., M. Hai and Z. Qijin, Properties of polarized laser-induced birefringent gratings in azobenzene-doped poly(methyl methecrylate) optical fibers 204 (2002) 137
Xu, Z.-z., see Hu, X.-m. 204 (2002) 253

Yang, H., 41 W cw TEM_{00} ($M^2 = 1.2$) 1064 nm beam generation from a diode-side-pumped Nd:YAG laser by use of a dual-telescopic optics configuration 204 (2002) 263
Yang, Y., G. Qian, Z. Wang and M. Wang, Influence of the thickness and composition of the solid-state dye laser media on the laser properties 204 (2002) 277
Yang, S., see Zhao, C.-L. 204 (2002) 323
Yarovikov, S.O., see Kapoustine, V.V. 204 (2002) 171
Yatsenko, L.P., N.V. Vitanov, B.W. Shore, T. Rickes and K. Bergmann, Creation of coherent superpositions using Stark-chirped rapid adiabatic passage 204 (2002) 413
Yen, W.M., see Jia, D. 204 (2002) 247
Yingli, C., see Xianglong, Z. 204 (2002) 407
Yoshimura, Y., see Losev, L.L. 204 (2002) 379
Yu, S., H. Guo, X. Fu and W. Hu, Propagation properties of elegant Hermite–cosh-Gaussian laser beams 204 (2002) 59
Yu, J.W. and K. Oh, New in-line fiber band pass filters using high silica dispersive optical fibers 204 (2002) 111
Yuan, S., see Zhao, C.-L. 204 (2002) 323
Yuan, X.Q., see Cao, N. 204 (2002) 7
Yugami, N., see Cao, N. 204 (2002) 7
Yuping, C., see Xianglong, Z. 204 (2002) 407
Yuxing, X., see Xianglong, Z. 204 (2002) 407

Zalvidea, D., S. Granieri and E.E. Sicre, Space and spectral behaviour of optical systems under broadband illumination by using a Wigner distribution function approach 204 (2002) 99
Zaquine, I., see Menez, L. 204 (2002) 267
Zawadzki, R., see Fercher, A.F. 204 (2002) 67
Zhao, C.-L., S. Yang, H. Meng, Z. Li, S. Yuan, K. Guiyun and X. Dong, Efficient multi-wavelength fiber laser operating in L-band 204 (2002) 323
Zhihong, T., see Xiaoping, Z. 204 (2002) 127

ELSEVIER

1 April 2002

Optics Communications 204 (2002) 431–434

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 204

Propagation and scattering

A.M. Belsky and M.A. Stepanov, Internal conical refraction of light beams in biaxial gyrotropic crystals 1

N. Cao, Y.K. Ho, Q. Kong, P.X. Wang, X.Q. Yuan, Y. Nishida, N. Yugami and H. Ito, Accurate description of Gaussian laser beams and electron dynamics 7

Y. Cai and Q. Lin, Spectral shift of partially coherent twisted anisotropic Gaussian Schell-model beams in free space 17

T. Shirai and E. Wolf, Spatial coherence properties of the far field of a class of partially coherent beams which have the same directionality as a fully coherent laser beam 25

R. Baltazar, C. Solano, G. Martínez-Ponce and A.A. Camacho P, Optical heterodyne profilometer to scan irregularities in reflective objects 33

H. Jeong, J.-H. Kim and K. Cho, Complete mapping of complex reflection coefficient of a surface using a scanning homodyne multiport interferometer 45

P. Pääkkönen, J. Turunen, P. Vahimaa, A.T. Friberg and F. Wyrowski, Partially coherent Gaussian pulses 53

S. Yu, H. Guo, X. Fu and W. Hu, Propagation properties of elegant Hermite–cosh-Gaussian laser beams 59

Optical information, image formation and analysis, optical computing

A.F. Fercher, C.K. Hitzenberger, M. Sticker, R. Zawadzki, B. Karamata and T. Lasser, Dispersion compensation for optical coherence tomography depth-scan signals by a numerical technique 67

J. Villa, J.A. Gómez-Pedrero and J.A. Quiroga, Synchronous detection technique for temporal fringe pattern analysis 75

K.F. Wang and A.K. Tieu, E.B. Li, Influence of in-plane displacement and strain components on twist fringe distributions in measurement of pure twist fringes 83

B. Lü and X. Wang, Kurtosis parameter of Bessel-modulated Gaussian beams propagating through ABCD optical systems 91

PII: S0030-4018(02)01341-X

D. Zalvidea, S. Granieri and E.E. Sicre, Space and spectral behaviour of optical systems under broadband illumination by using a Wigner distribution function approach 99

Y. Wang, L. Ma and S. Shi, An optical method for production of Haar wavelet 107

Optical communications

J.W. Yu and K. Oh, New in-line fiber band pass filters using high silica dispersive optical fibers 111

G. Genty, T. Niemi and H. Ludvigsen, New method to improve the accuracy of group delay measurements using the phase-shift technique 119

Z. Xiaoping and T. Zhihong, Analysis of transmission characteristics of doubly clad fibers with an inner cladding made of uniaxial crystal materials 127

X. Xingsheng, M. Hai and Z. Qijin, Properties of polarized laser-induced birefringent gratings in azobenzene-doped poly(methyl methecrylate) optical fibers 137

G. Beltrán-Pérez, E.A. Kuzin, J. Camas-Anzueto, R. López, V.V. Spirin and A. Marquez-Lucero, Fiber bend losses produced by soft and swellable materials for hydrocarbon detection 145

H.Y. Liu, G.D. Peng and P.L. Chu, Thermal stability of gratings in PMMA and CYTOP polymer fibers 151

W. Fan, B. Chen, X. Li, L. Chen and Z. Lin, Stress-induced single polarization DFB fiber lasers 157

M. Cao, Q. Hu, Z. Wan and F. Luo, A novel routing optical matrix swtiching method 163

V.V. Kapoustine and S.O. Yarovikov, Power coupling between fiber and multimode slab composite waveguide 171

C. Kerbage, R.S. Windeler, B.J. Eggleton, P. Mach, M. Dolinski and J.A. Rogers, Tunable devices based on dynamic positioning of micro-fluids in micro-structured optical fiber 179

Atomic and molecular physics

P. Engels, W. Ertmer and K. Sengstock, Magnetic guiding of a slow metastable Ne^* beam 185

P.S. Peijzel, R.T. Wegh, A. Meijerink, J. Hölsä and R.-J. Lamminmäki, High energy levels and high-energetic emissions of the trivalent holmium ion in $LiYF_4$ and YF_3 195

A. Bhattacherjee, Controlled manipulation of population oscillations and quantum statistics of a Bose–Einstein condensate confined in an optical lattice 203

E. Cerboneschi, F. Renzoni and E. Arimondo, Relaxation processes in slow light: the role of the atomic momentum 211

Condensed matter

T.G. Mackay, A. Lakhtakia and W.S. Weiglhofer, Homogenisation of isotropic, cubically nonlinear, composite mediums by the strong–permittivity–fluctuation theory: third-order considerations 219

V. Gusev, P. Picart, D. Mounier and J.-M. Breteau, On the possibility of ultrashort shear acoustic pulse excitation due to the laser-induced electrostrictive effect 229

P.A. Rodnyi, S.B. Mikhrin, P. Dorenbos, E. van der Kolk, C.W.E. van Eijk, A.P. Vink and A.G. Avanesov, The observation of photon cascade emission in Pr^{3+}-doped compounds under X-ray excitation 237

D. Jia, X.-j. Wang, E. van der Kolk and W.M. Yen, Site dependent thermoluminescence of long persistent phosphorescence of $BaAl_2O_4:Ce^{3+}$ 247

Quantum optics

X.-m. Hu and Z.-z. Xu, Two color control of spontaneous emission from a single-channel system 253

Laser physics and laser sources

H. Yang, 41 W cw TEM_{00} ($M^2 = 1.2$) 1064 nm beam generation from a diode-side-pumped Nd:YAG laser by use of a dual-telescopic optics configuration 263

L. Menez, I. Zaquine, A. Maruani and R. Frey, Intracavity refractive index bragg gratings in absorbing and amplifying media 267

Y. Yang, G. Qian, Z. Wang and M. Wang, Influence of the thickness and composition of the solid-state dye laser media on the laser properties 277

G. Dattoli and P.L. Ottaviani, Semi-analytical models of free electron laser saturation 283

J. Bourderionnet, A. Brignon, J.-P. Huignard and R. Frey, Influence of aberrations on fundamental mode of high power rod solid-state lasers 299

N.U. Wetter, P.S.F. de Matos, I.M. Ranieri, L.C. Courrol and S.P. Morato, Single frequency, continuously tunable, diode-pumped $Nd:LiY_{0.5}Gd_{0.5}F_4$ microlaser 311

J.C. Diettrich, I.T. M^{c}Kinnie, D.M. Warrington and V.V. Ter-Mikirtychev, Tunable, single axial mode $LiF:F_2^-$ laser 317

C.-L. Zhao, S. Yang, H. Meng, Z. Li, S. Yuan, K. Guiyun and X. Dong, Efficient multi-wavelength fiber laser operating in L-band 323

D. Heflinger, T. Arusi-Parpar, Y. Ron and R. Lavi, Application of a unique scheme for remote detection of explosives 327

M. Huang, Y. Chen, X. Chen, Y. Huang and Z. Luo, Study on CW fundamental and self-frequency doubling laser of $Nd^{3+}:GdAl_3(BO_3)_4$ crystal 333

Nonlinear optics

S. Longhi, Self-pulsing instability in the cascaded optical parametric oscillator 339

V.I. Kovalev and R.G. Harrison, The dynamics of a SBS fibre laser: the nature of periodic spiking at harmonics of the fundamental oscillation frequency 349

K.J. Pluciński, W. Gruhn, I.V. Kityk, W. Imiołek, H. Kaddouri and S. Benet, Photoinduced second harmonic generation in Bi_2Se_3–$CaBr_2$–$PbCl_2$ optical fibers 355

E.A. García, I. Casar and L.F. Magaña, On the optimization of the diffraction efficiency by angular selectivity for BSO under strong modulations and applied electric fields 363

D. Bortman-Arbiv, A.D. Wilson-Gordon and H. Friedmann, Parametric amplification by spatial soliton induced transverse amplitude profile cloning 371

L.L. Losev, Y. Yoshimura, Y. Hirakawa and T. Imasaka, The influence of beam diffraction on multifrequency parametric Raman generation 379

K.P. Unnikrishnan, J. Thomas, V.P.N. Nampoori and C.P.G. Vallabhan, Third order nonlinear optical studies in europium naphthalocyanine using degenerate four wave mixing and *Z*-scan 385

K. Grygiel, Synchronization of two coupled second-harmonic generation systems 391

V. Lupei, G. Aka and D. Vivien, Quasi-three-level 946 nm CW laser emission of Nd:YAG under direct pumping at 885 nm into the emitting level 399

Z. Xianglong, C. Xianfeng, W. Fei, C. Yuping, X. Yuxing and C. Yingli, Second-harmonic generation with broadened flattop bandwidth in aperiodic domain-inverted gratings 407

L.P. Yatsenko, N.V. Vitanov, B.W. Shore, T. Rickes and K. Bergmann, Creation of coherent superpositions using Stark-chirped rapid adiabatic passage 413